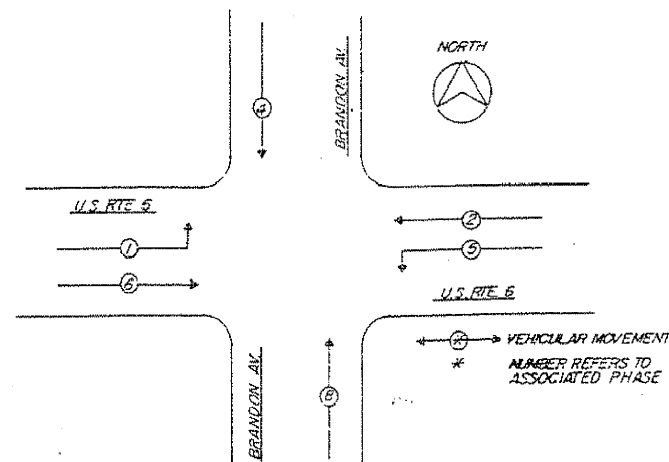


U.S. RTE 6 & BRANDON AV.
 CONTROLLER SPECIFIED - FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE III, 8 PHASES IN TYPE IX CABINET

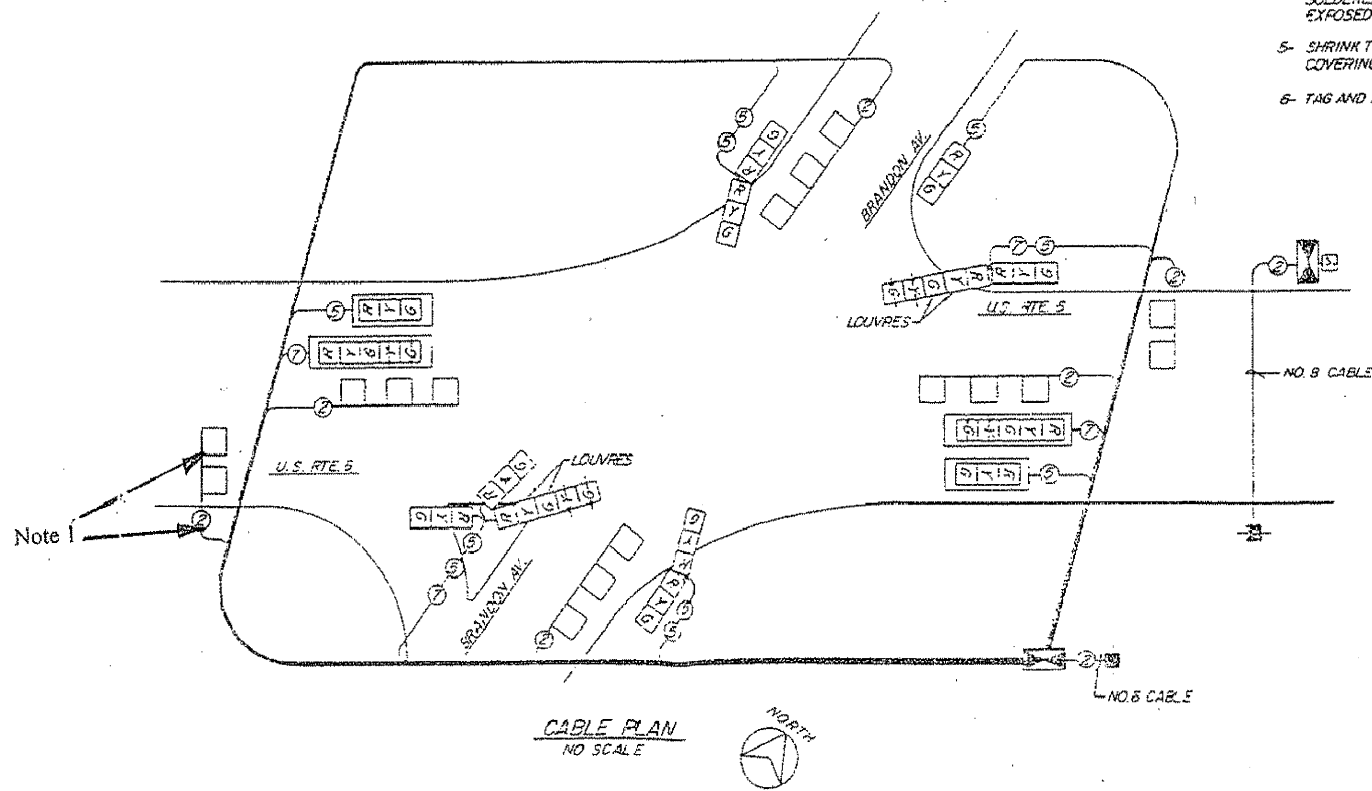
REFERRING TO STANDARD 2393, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW



PROPOSED PHASE DESIGNATION DIAGRAM

CABLE PLAN LEGEND

- SIGNAL FACE WITH BACKPLATE
- 12" TRAFFIC SIGNAL SECTION
- CONTROLLER CABINET
- VEHICLE DETECTOR, INDUCTION LOOP
- SERVICE INSTALLATION
- DENOTES NUMBER OF CONDUCTORS (NEW) ALL LOOP DETECTOR CABLE TO BE SHIELDED ALL CABLE NO. 14 EXCEPT AS INDICATED
- 8" TRAFFIC SIGNAL SECTION



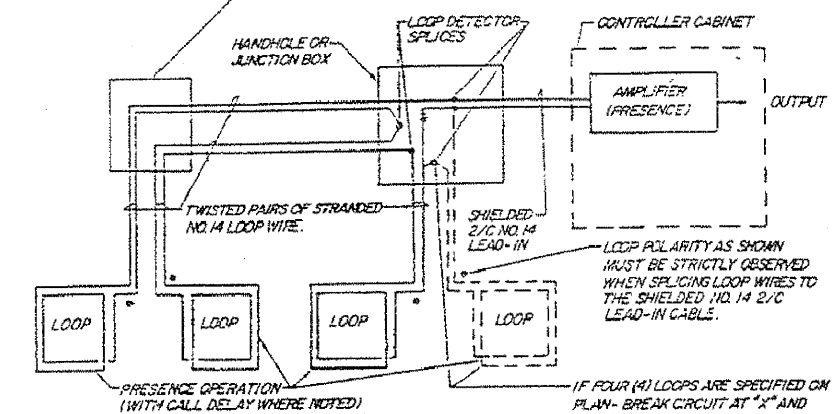
CABLE PLAN
NO SCALE

EWACH LOOP DETECTOR SPLICE SHALL BE AN INDIVIDUAL TYPE II OR TYPE III SPLICE

EWACH LOOP LEAD-IN SHALL BE PLACED IN A SEPARATE CONDUIT FROM EDGE OF PAVEMENT TO HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6"

LOOP TURNS AS RECOMMENDED BY THE MANUFACTURER.

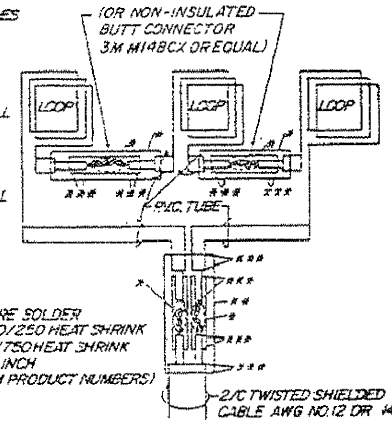
TWISTED PAIRS OF LOOP WIRE PASS THROUGH SUPPLEMENTAL HANDHOLE OR JUNCTION BOX IF SPECIFIED ON PLAN. NO SPLICES ALLOWED IN THIS HANDHOLE OR JUNCTION BOX.



LOOP DETECTOR SCHEMATIC

STEPS

- 1- REMOVE OUTER CABLE COVERING OR PVC TUBE LEAVING 4 INCHES OF INSULATED WIRE EXPOSED.
- 2- REMOVE INSULATION FOR 1 INCH AND SCRAPE COPPER CONDUCTOR.
- 3- INSERT CABLE AND/OR CONDUCTORS INTO THEIR RESPECTIVE APPROVED HEAT SHRINKABLE TUBING. THE CONDUCTORS SHALL THEN BE CONNECTED BY TWISTING TOGETHER AND SOLDERING WITH A ROSIN CORE SOLDER.
- 4- THE WCSF 070/250 TUBE SHALL COMPLETELY COVER THE SOLDERED CONNECTION AND THE INSULATION 1 INCH BEYOND ALL EXPOSED WIRE AT EITHER END OF THE CONNECTION.
- 5- SHRINK THE TUBE OVER THE SPLICE TO FORM A WATER TIGHT COVERING USING A HEAT SOURCE APPROVED BY THE ENGINEER.
- 6- TAG AND I.D. LOOP LEAD-INS.



LOOP SPLICING USING HEAT SHRINKS
 NOTE: ELECTRICAL TAPE SHALL NOT BE USED WITH HEAT SHRINK SPLICES.

FOR INFORMATION ONLY

FILE NAME = n:\pro\3329\3329_24\design\proposed\3329_24-18-existing\seeb\leadgn

CG
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 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jcc1eman	DESIGNED - JCC	REVISED -
PLOT SCALE = 20,0000' / 1" IN.	DRAWN - JCC	REVISED -
PLOT DATE = 7/8/2008	CHECKED - MJL	REVISED -
	DATE - 07/09/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU 0318/US ROUTE 6 (RAILROAD AVENUE)
OVER I & M CANAL
EXISTING TRAFFIC SIGNAL PLAN

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 0318	SECTION DB-1-R-B	COUNTY WILL	TOTAL SHEETS 40	SHEET NO. 18
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 60D88				